

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method of configuring a directory server comprising a plurality of entries, ~~the method comprising:~~
creating the plurality of entries in the directory server;
creating a CoS scheme, wherein the CoS scheme comprises a CoS definition entry [[:]]
and ~~one or more a~~ a CoS template entries entry, wherein the CoS template entry
comprises at least one attribute value; and
configuring CoS logic to use the CoS scheme to provide the attribute value to at least one
of the plurality of entries,
wherein the at least one of the plurality of target entries is within a scope of a parent of
the CoS definition entry, and
wherein the directory server supports a Directory Access Protocol (DAP).
2. (Original) The method of claim 1, wherein the CoS Definition entry has a CoS specifier and a value for the CoS specifier.
3. (Currently Amended) The method of claim 2, wherein the value of the CoS specifier in the CoS definition entry appears in ~~a target entry~~ the at least one of the plurality of entries as a first attribute type.
4. (Currently Amended) The method of claim 3, wherein the value of the first attribute type corresponds to a relative distinguishing name (RDN) of [[a]] the CoS template entry associated with the CoS definition entry.
5. (Currently Amended) The method of claim 1, wherein the CoS definition entry ~~contains~~ comprises a list of attribute types, wherein [[the]] values associated with the list of

attribute types for which may be ~~are~~ provided by the CoS scheme ~~in said one or more~~
using the CoS template entry entries.

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Original) An apparatus comprising:

a directory server comprising:

~~a component to configure and store~~ a plurality of target entries; ~~and~~

~~a component to create~~ a CoS scheme, wherein the CoS scheme comprises a CoS
definition entry [[:]] and ~~one or more~~ a CoS template entries entry,
wherein the CoS template entry comprises at least one attribute value;

CoS logic configured to use the CoS scheme to provide the attribute value to at
least one of the plurality of target entries,

wherein the at least one of the plurality of target entries is within a scope of a parent of
the CoS definition entry, and

wherein the directory server supports a Directory Access Protocol (DAP)

11. (Original) The apparatus of claim 10, wherein the CoS definition entry has a CoS
specifier and a value for the CoS specifier.

12. (Currently Amended) The apparatus of claim 11, wherein the value of the CoS specifier in the CoS definition entry appears in ~~a target entry~~ at least one of the plurality of target entries as a first attribute type.
13. (Currently Amended) The apparatus of claim 12, wherein the value of the first attribute type corresponds to a relative distinguishing name (RDN) of ~~[[a]]~~ the CoS template entry associated with the CoS definition entry.
14. (Currently Amended) The apparatus of claim 10, wherein the CoS definition entry ~~contains~~ comprises a list of attribute types, wherein ~~[[the]]~~ values associated with the list of attribute types for which may be are provided by the CoS scheme ~~in said one or more using the CoS template entry entries.~~
15. (Currently Amended) An apparatus comprising:
a directory server comprising:
 ~~a component configured to store a~~ first plurality of target entries entry;
 ~~a component adapted to configure a plurality of~~ [[an]] attribute-value pairs,
 wherein each of the plurality of attribute-values pairs is associated with
 one of a plurality of CoS template entries, and wherein each of the
 plurality of CoS template entries are associated with one of a plurality of
 CoS definition entries ~~that could be shared by at least a subset of the~~
 plurality of target entries;
 a component configured to receive a request for [[an]] one of the plurality of
 attribute-value pairs associated with [[a]] the first target entry;
 a component configured to search ~~in a list~~ the plurality of attribute-value pairs to
 obtain the requested one of the plurality of attribute-value pairs associated
 with the first target entry ~~which are associated with template entries that~~
 ~~are in turn associated with CoS definition entries for instances of attribute-~~

~~value pairs that march the requested attribute type, said searching step resulting in a matched list of attribute-value pairs; and~~

a component configured to return the ~~selected~~ requested one of the plurality of attribute-value pairs associated with the first target entry attribute-value pair,

wherein the first target entry is within a scope of a parent of the CoS definition entry.

16. (Currently Amended) The apparatus as in claim 15, wherein the component configured to search the plurality of attribute-value pairs uses [[the]] a set of constraints to obtain the requested one of the plurality of attribute-value pairs associated with the first target entry, wherein the set of constraints includes the CoS scope.
17. (Currently Amended) The apparatus of claim [[15]] 16, wherein the set of constraints ~~includes~~ comprises determining [[if]] whether a CoS specifier associated with the matched requested one of the plurality of attribute-value pairs associated with the first target entry attribute-value pair matches a CoS definition entry associated with the attribute-value pair requested one of the plurality of attribute-value pairs associated with the first target entry.
18. (Currently Amended) The apparatus of claim [[15]] 16, wherein the set of constraints ~~includes~~ comprises determining [[if]] whether a matched attribute-value pair requested one of the plurality of attribute-value pairs associated with the first target entry corresponds to [[the]] an RDN of a CoS template entry associated with [[the]] a CoS definition entry.
19. (Currently Amended) The method of claim 1, wherein the CoS definition entry ~~includes~~ comprises a CoS specifier and a list of attributes, whereby a first one of the plurality of entries a first target entry within a scope of a parent of the CoS definition entry scheme

obtains values for attributes provided in the CoS definition entry [[by]] using an attribute with a distinguishing name (DN) value contained within the first one of the plurality of entries ~~first target entry~~.

20. (Currently Amended) The method of claim 19, wherein the DN points to a second one of a plurality of entries ~~target entry~~ which is a valid entry.
21. (Currently Amended) The method of claim 19, wherein the DN points to a second one of the plurality of entries ~~target entry~~ which is a valid entry and the first one of the plurality of entries ~~target entry~~ uses the second one of the plurality of entries ~~target entry~~ as a template.
22. (Currently Amended) The apparatus of claim 10, wherein the CoS definition entry ~~includes~~ comprises a CoS specifier and a list of attributes, whereby a first one of the plurality of target entries ~~target entry~~ within a scope of a parent of the CoS scheme definition entry obtains values for attributes provided in the CoS Definition entry [[by]] using an attribute with a distinguishing name (DN) value contained within the first one of the plurality of target entries ~~target entry~~.
23. (Currently Amended) The apparatus of claim 22, wherein the DN points to a second one of the plurality of target entries ~~target entry~~ which is a valid entry.
24. (Currently Amended) The apparatus of claim 22, wherein the DN points to a second one of the plurality of target entries ~~target entry~~ which is a valid entry and the first one of the plurality of target entries ~~target entry~~ uses the second one of the plurality of target entries ~~target entry~~ as a template.
25. (Currently Amended) The apparatus of claim 15, wherein ~~the component adapted to configured~~ the plurality of attribute-value pairs uses an indirect CoS scheme.

26. (Currently Amended) The apparatus of claim 25, ~~further comprising:~~ wherein the component configured to search the plurality of attribute-value pairs to obtain the requested one of the plurality of attribute-value pairs associated with the first target entry includes functionality ~~a component configured to~~ apply at least one constraint in a set of constraints to obtain the requested one of the plurality of attribute-value pairs ~~the matched list of attribute-value pairs to result in a selected attribute-value pair.~~
27. (Currently Amended) The apparatus in claim 26, wherein applying the set of constraints ~~includes~~ determining [[if]] whether a CoS specifier associated with the component configured to search ~~in a list~~ the plurality of attribute-value pairs for the requested one of the plurality of attribute-value pairs associated with the first target entry ~~matched attribute-value pair~~ matches a valid second target entry.
28. (Currently Amended) The apparatus as in claim ~~[[26]]~~ 27, wherein the ~~matched~~ second target entry ~~contains~~ comprises an attribute provided by the indirect CoS scheme.
29. (Cancelled)
30. (Cancelled)
31. (Cancelled)
32. (Cancelled)